





# HARSHAW SITE - Formerly Utilized Sites Remedial Action Program (FUSRAP)

## Air Monitoring Information - January 2026



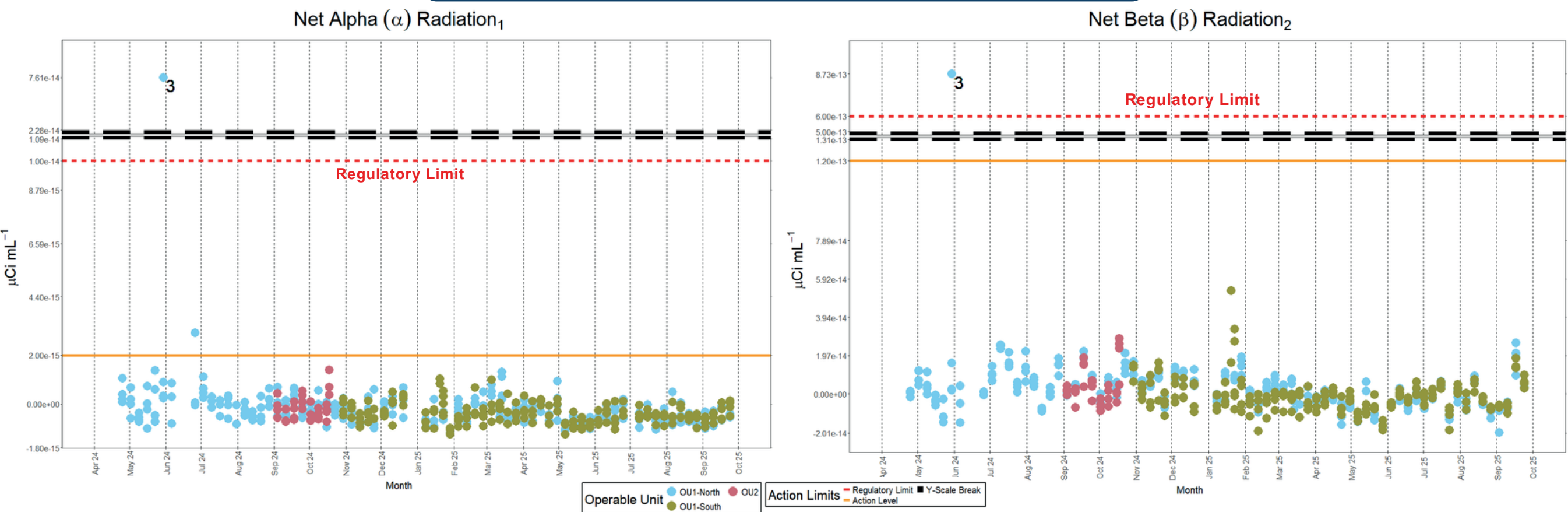
### Best Management Practices & Safety Measures

A dedicated USACE team (industrial hygienists, health physicists, chemists, safety and health officers, and engineers) coordinates closely with on-site workers to maintain safety during FUSRAP material cleanup activities.

We implement engineering control best management practices to prevent the spread of contamination off-site. Key measures include:

- Decontamination of equipment and materials moved between site zones.
- Regular cleaning of trailers and offices to ensure contamination-free environments.
- Dust control using water trucks to minimize the potential spread of airborne contamination.
- Water generated during the remedial excavation operation is considered potentially contaminated, and is collected, stored, sampled, and treated, if necessary, prior to discharge.
- Tarping of on-site and off-site haul trucks to contain dust and debris during transport.
- Lining, covering, and securing of soil/debris stockpiles overnight and during weekends and holidays.

### Monthly Concentration (Filters Changed Weekly)



### Regulatory Limits & Action Levels

- 1- Regulatory Limit  $1.0\text{E-}14 \mu\text{Ci/mL}$ ; Site Action Level\*  $2.0\text{E-}15 \mu\text{Ci/mL}$ ; 10 CFR 20, Appendix B, Values for Th-230, Class W used as most conservative surrogate for alpha activity using a weighted air effluent concentration (WAEC) approach. Derived Air Concentration, occupational value for inhalation, assumes exposure limited to 2000 hours/year. Most conservative inhalation properties assumed of radionuclide, controls dose to the public, annual average.
- 2- Regulatory Limit  $6\text{E-}13 \mu\text{Ci/mL}$ ; Site Action Level\*  $1.2\text{E-}13 \mu\text{Ci/mL}$ ; 10 CFR 20, Appendix B, Value for Pb-210, Class D because it is the long-lived beta-emitting radionuclide with the most restrictive occupational and effluent limits. Derived Air Concentration, occupational value for inhalation, assumes exposure limited to 2000 hours/year. Most conservative inhalation properties assumed of radionuclide, controls dose to the public, annual average.
- 3- High value in OU-1N resulting from short run time due to power failure on air sampler. No site activity occurred on this date. Monthly composite samples were sent to an off-site laboratory for isotopic analysis: isotopic results for Ra-226, Th-230, Th-232, and Total U were all below regulatory limits.

\*- Action level is 20% of the Regulatory Limit (As Low As Reasonably Achievable [ALARA] requirement) and require on-site activities to be paused in order to evaluate controls, activities, and the need to implement corrective measures.